

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION DR-630

Effective Date: May 1, 2013
Reevaluation Date: **June 2014**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

6'-8" and 8'-0" Glazed JELD-WEN Steel Doors, Inswing & Outswing, Singles with Sidelites, and Doubles, Non-impact Resistant, manufactured by

Endura Products, Inc.
8811 West Market Street
Colfax, NC 27235
Telephone: (336) 668-2472

General Description:

System	Description	Label Rating	Drawing Number
1	6'-0" x 6'-8" JELD-WEN Glazed Steel Double Door, Inswing/Outswing; (XX)	<u>Ultimate Hurricane Astragal</u> Inswing +40/-40 psf Outswing +40/-40 psf <u>Ultimate Multi-point Astragal</u> Inswing +40/-40 psf Outswing +40/-40 psf <u>Ultimate Flip Lever Astragal</u> Inswing +40/-40 psf Outswing +40/-40 psf	TX-4224
2	6'-0" x 8'-0" JELD-WEN Glazed Steel Double Door, Inswing/Outswing; (XX)	<u>Ultimate Hurricane Astragal</u> Inswing +25/-30 psf Outswing +25/-25 psf <u>Ultimate Hurricane Astragal</u> (w/ surface bolts) Inswing +35/-35 psf Outswing +35/-35 psf <u>Ultimate Multi-point Astragal</u> Inswing +40/-40 psf Outswing +40/-40 psf <u>Ultimate Flip Lever Astragal</u> Inswing +35/-40 psf Outswing +35/-35 psf	TX-4225

General Description (continued):

System	Description	Label Rating	Drawing Number
3	3'-0" x 6'-8" JELD-WEN Glazed Steel Single Door w/ Sidelites & Integral Mullion, Inswing/Outswing; (OXO)	Inswing +40/-40 psf Outswing +40/-40 psf	TX-4226
4	3'-0" x 8'-0" JELD-WEN Glazed Steel Single Door w/ Sidelites & Integral Mullion, Inswing/Outswing; (OXO)	Inswing +25/-30 psf Outswing +30/-30 psf <u>w/surface bolts</u> Inswing +35/-35 psf Outswing +35/-35 psf	TX-4227

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	Inswing: 73.94" x 81.69" Outswing: 73.94" x 80.88"	35 ³ / ₄ " x 79"	21" x 63"
2	Inswing: 73.94" x 97.69" Outswing: 73.94" x 96.88"	35 ³ / ₄ " x 95"	21" x 79"
3	Inswing: 112.19" x 81.69" Outswing: 112.19" x 80.88"	Door: 35 ³ / ₄ " x 79" Sidelite: 35 ³ / ₄ " x 79"	Door: 21" x 63" Sidelite: 21" x 63"
4	Inswing: 112.19" x 97.69" Outswing: 112.19" x 96.88"	Door: 35 ³ / ₄ " x 95" Sidelite: 35 ³ / ₄ " x 95"	Door: 21" x 79" Sidelite: 21" x 79"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-4	4" Butt Hinges	3 (6'-8" doors) 4 (8'-0" doors)	Hardware and components shall be installed in accordance with Endura drawings TX-4224, TX-4225, TX-4226 and TX-4227, dated August 20, 2012, drawings TX-4226 and TX-4227, signed and sealed by Lyndon F. Schmidt, P.E. on October 1, 2012; drawing TX-4225 signed and sealed on February 20, 2013; and drawing TX-4224 signed and sealed on February 25, 2013.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Kwikset Signature Series (991) Lockset and Kwikset Signature Series (980/985) deadbolt	1	

Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Steel Double Doors
	Test Standards	ASTM E330-02
2	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Steel Double Doors
	Test Standards	ASTM E330-02
3	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Steel Single Door with Sidelites
	Test Standards	ASTM E330-02
4	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Steel Single Door with Sidelites
	Test Standards	ASTM E330-02

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

System		
1-4	Type of Installation	Door Frame
	Wall Framing	Wood (G \geq 0.42) or Concrete (minimum 3000 psi)
	Fastener Embedment	Wood: Minimum of 1.15 inches into wood framing Concrete: Minimum of 1 $\frac{3}{4}$ inches into the concrete
	Fastener Location/Spacing	Head
		Sill
		Side Jamb
		Sidelites
		Hinges
		The doors shall be installed in accordance with Endura drawings TX-4224, TX-4225, TX-4226 and TX-4227, dated August 20, 2012, drawings TX-4226 and TX-4227, signed and sealed by Lyndon F. Schmidt, P.E. on October 1, 2012; drawing TX-4225 signed and sealed on February 20, 2013; and drawing TX-4224 signed and sealed on February 25, 2013.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) the International Building Code (IBC), and the Texas Revisions.